

Rainier Technologies

Scenario:

You are working as a backend developer in X limited. You need to develop some APIs for an online learning platform called X-Education. You will have to work on the APIs associated with one user called “admin”. The clients can see the course lists and details.

An admin can:

- Login to the system
- Create a course
- Get a list of all courses
- Get a specific course by ID
- Update an existing course
- Delete a course

Sample json request objects and responses:

Http request: POST

API endpoint: “/api/course”

Json request object:

```
{
  "name": "Introduction to Web Development",
  "description": "A Comprehensive Introduction to Web Development.",
  "price": 5000 BDT,
  "duration": "8 weeks",
  "level": "Beginner",
  "topics": ["HTML", "CSS", "JavaScript", "Vue.js", "Node.js", "Express.js", "RESTful APIs"],
  "schedule": {
    "startDate": "2023-02-15",
    "endDate": "2023-04-10",
    "classDays": ["Monday", "Wednesday", "Friday"],
    "classTime": "18:00 - 20:00"
  }
}
```

Response:

Success Message: “The course has been added successfully”

Other API endpoint responses (GET, PATCH / UPDATE, DELETE) are up to you.

Task: Implement the APIs and provide the github repository link in the provided form.

Technologies: node.js, express.js, javascript